

AMENDMENT AND REQUEST FOR RECONSIDERATION...
U.S. APPLN. NO. 10/554,916

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. - 11. (canceled).
12. (currently amended): A wristwatch including a case at least one part of which is electrically conductive and in which are housed an electronic module including a printed circuit board and an electric power source for powering said electronic module, said wristwatch further including an antenna provided with a ground plane, said printed circuit board having, at its periphery, a mechanical contact zone bearing on said electrically conductive part of the case, wherein the antenna and the ground plane are arranged on ~~at~~the top face of said printed circuit board, said top face being arranged on the side of a display device of the wristwatch, wherein said printed circuit board includes a top surface and a bottom surface, a conductive track electrically connected to said ground plane, said conductive track extending at the periphery of said printed circuit board and at least over said bottom surface of said printed circuit board, over said mechanical contact zone, in such a way as to establish an electric contact between said conductive track and said electrically conductive part of the case, so as to enlarge the ground plane of said antenna in directions extending substantially in the extension of said ground plane, the enlargement being located substantially in the plane containing the ground plane of the antenna, and

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wherein said electrically conductive part has a portion thereof extending at least substantially to the level of the bottom surface of the printed circuit board.

13. (previously presented): The wristwatch according to claim 12, wherein said antenna is a micro-strip antenna including a radiating element arranged substantially parallel to said ground plane.

14. (currently amended): The wristwatch according to claim 12, wherein ~~it-said~~ wristwatch includes an electrically conductive strip made of compressible material that is inserted, on said mechanical contact zone, between said electrically conductive part of the case and said conductive track.

15. (previously presented): The wristwatch according to claim 14, wherein said electrically conductive strip is compressed between said conductive track and a shoulder arranged on the electrically conductive part of the case.

16. (currently amended): The wristwatch according to claim 15, wherein ~~said~~ wristwatch further includes a support element exerting a pressure at several points of the periphery of said printed circuit board where said electrically conductive strip is compressed.

17. (previously presented): The wristwatch according to claim 14, wherein said electrically conductive strip is a conductive elastomer.

18. (previously presented): The wristwatch according to claim 12, wherein said conductive track is arranged on a first face of the printed circuit board and is electrically connected to other conductive tracks of the electronic module via metallised holes.

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19. (previously presented): The wristwatch according to claim 12, wherein said electrically conductive part of the case is electrically connected to a pole of determined electric potential of the electric power source, said electrically conductive part of the case being used to bring said determined electric potential to said electronic module via said conductive track.

20. (previously presented): The wristwatch according to claim 12, wherein said electrically conductive part of the case is brought to a determined electric potential via said conductive track.

21. (previously presented): The wristwatch according to claim 12, wherein said conductive track extends over substantially the entire periphery of the printed circuit board.

22. (previously presented): The wristwatch according to claim 12, wherein said conductive track extends over at least a part of the periphery of the printed circuit board located in proximity to said ground plane.